

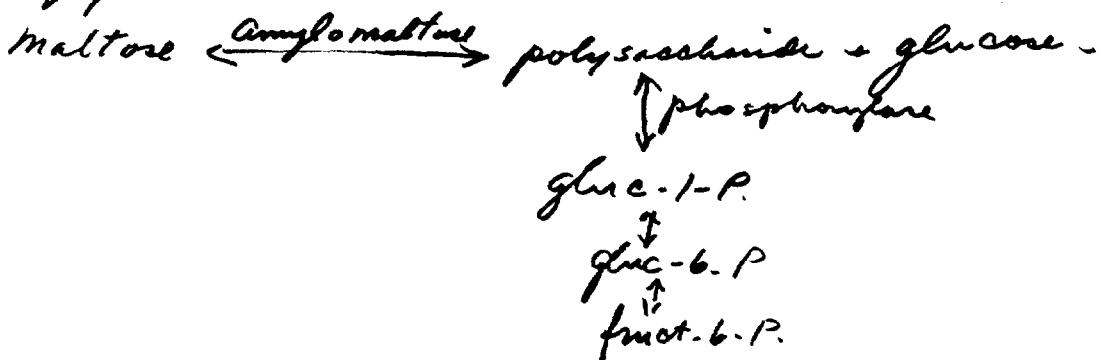
## Sigma Xi

UNIVERSITY OF CALIFORNIA  
BERKELEY

Oct. 26, 1948

Dear Josh,

Thanks for your letters. I have been so damned busy with extraneous matters that I have not attended to my correspondence and have not been doing as much work as I would like to. Your work on the lactase seems very good. Have you seen Monod's articles on the lactase and "amylomaltase" of E. coli in the July Comptes Rendus? He beat us to the essence of maltose breakdown, so I decided not to hurry with the paper. However, I am about to write up our results for what they are worth. In essence, the breakdown follows the following pattern:



So far, I have not checked the fate of glucose in resting cell suspensions, but know that it accumulates in enzyme preparations. Monod showed

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amylomaltase to be adaptive, so I wonder whether all of W-108 may not contain the gene for its production, W-327 being merely the adapted form. Have not done anything about this part of it. Some of my students may work on your strains but in any case, I intend to look into them seriously next year. As I told you, I am applying for a fellowship and want to spend about 3 months with you if I get it for 1948/1950. We could certainly line up enough interesting material among your mutants to keep several laboratories busy. I would also like to spend some time with Monod. This, of course, is all problematical and dependent on many factors.

I shall be sending you the manuscript when it is ready.

With warmest personal regards,  
Duke